

TRANSLATION PATENT COOPERATION TREATY INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference			. 1					
164727-		FOR FURTHER ACT	ION	See Form PCT/IPEA/416				
International appli	ication No.	International filing date (day/month/year)	Priority date (day/month/year)				
PCT/JP2007/056048		23.03.2007		24.03.2006				
International Pater	nt Classification (IPC) or nati	onal classification and IPC	!					
B22D17/3	30							
Applicant TOSHIBA	KIKAI KABUSH	IKI KAISHA						
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 								
2. This RE	PORT consists of a total of	3	sheets, including this	cover sheet.				
3. This rep	ort is also accompanied by A	NNEXES, comprising:						
a	(sent to the applicant and	to the International Burea	u) a total of	sheets, as follows:				
				mended and are the basis of this report and/or ie 70.16 and Section 607 of the Administrative				
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.								
b. 🗌	(sent to the International	Bureau only) a total of (ind	licate type and number	of electronic carrier(s))				
				, containing a sequence listing and/or tables				
	related thereto, in electronic 802 of the Administrative Ir			ox Relating to Sequence Listing (see Section				
4. This rep	ort contains indications relati	ng to the following items:						
	Box No. I Basis of the	report						
	Box No. II Priority							
	Box No. III Non-establi	shment of opinion with reg	gard to novelty, inventi	ve step and industrial applicability				
	Box No. IV Lack of uni	ty of invention						
		tatement under Article 35(2 d explanations supporting s		ty, inventive step or industrial applicability;				
	Box No. VI Certain doc	uments cited						
	Box No. VII Certain defe	ects in the international app	dication					
	Box No. VIII Certain obs	ervations on the internation	al application					
Date of submission of the demand		Da	te of completion of this	s report				
Name and mailing address of the IPEA/JP			thorized officer					
Pacsimile No.			iephone No.					

Form PCT/IPEA/409 (cover sheet) (April 2007)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2007/056048

Bo	No. I	Basis of the report					
Ĭ.;	With	h regard to the language, this report is based on:					
	\boxtimes	the international application in the language in which it was filed					
		a translation of the international application into translation furnished for the purposes of:	, which is the language of a				
		international search (Rules 12.3(a) and 23.1(b))					
		publication of the international application (Rule 12.4(a))	· *				
		international preliminary examination (Rule 55.2(a) and/or 55.3(a))					
2.	Wiił	h regard to the elements of the international application, this report is based on (replacement shee	ets which have been firmished to the				
۷٠.	rece.	eiving Office in response to an invitation under Article 14 are referred to in this report as "origi					
		report): the international application as originally filed/furnished					
	ئــــا	the description:	as originally filed/furnished				
		pages* received by this Authority on					
	لسسا	the claims:	no maisimalla Gladiformiahad				
		nos.** as amended (together w	as originally filed/furnished ith any statement) under Article 19				
			• • • • • • • • • • • • • • • • • • • •				
	П	the drawings:					
	L	· ·	as originally filed/farnished				
		sheets* received by this Authority on					
		sheets* received by this Authority on					
		a sequence listing and/or any related table(s) see Supplemental Box Relating to Sequence Listing	Dif.				
3.	$\overline{\Box}$		···········				
J.	لسا	The amendments have resulted in the cancellation of:					
		the description, pages					
		the claims, nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):	****				
		any table(s) related to sequence listing (specify):					
4.		This report has been established as if (some of) the amendments annexed to this report and list they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental					
		the description, pages					
		the claims, nos.					
-		the drawings, sheets/figs					
		the sequence listing (specify):					
		any table(s) related to sequence listing (specify): This report has been established taking into account the rectification of an obvious mistak					
5.	لــا	Authority under Rule 91 (Rule 70.2(e)).	se authorized by or notified to this				
<u>*</u>	If ite	em 4 applies, some or all of those sheets may be marked "superseded."					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2007/056048

	Novelty (N)		
		Claims 1-9	
		Claims	
	Inventive step (IS)	Claims 1-9	,
Claims		Claims	
	Industrial applicability (IA)		
	instantia approximity (iii)	Claims 1-9 Claims	
	Citations and explanations (Rule	70.7)	
	Document 1: JP	2005-264306 A (Toshiba Machine Co., Ltd.),	
	29	September 2005, entire text	
	Document 2: JP	2000-351054 A (Toshiba Machine Co., Ltd.),	
	19	December 2000, paragraph [0013]; [fig. 3]	
	Document 3: JP	2002-066708 A (Mitsubishi Heavy	
	İnc	dustries, Ltd.), 5 March 2002, paragraph	
	[00	009]; [fig. 2]	
	The invent	ion set forth in claims 1 to 9 is neither	
		uggested in any of the documents cited in	
		al search report, and it would not be easy	
		illed in the art to conceive of said	
	_	invention is therefore novel and involves	
	an inventive st		
		CP.	